Program of Study Guidelines
Feb. 2023

21 total credit hours for the minor

**Geoinformatics Minor**

**Core courses:**

GEOL 103, GEOL 103L: **Environmental Geology and Lab** (4 cr.)

DATA 210: Dataset Organization and Management (3 cr.)

CSCI 220, CSCI 220L: **Computer Programming I and Lab** (4 cr.)

GEOL 402: **Geospatial Science** (4 cr.)

*Students must also take at least 6 credits of elective courses. Possible pathways:*

<table>
<thead>
<tr>
<th>Marine Geology/Hydrography</th>
<th>Geographical Information/Remote Sensing</th>
<th>Geography/Planning</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 239 (Intro. to Seafloor Mapping)</td>
<td>GEOL 449 (Geographical Information Systems)</td>
<td>GEOG 101/POLI 104 (World Geography)</td>
</tr>
<tr>
<td>GEOL 257 (Marine Geology)</td>
<td>GEOL 442 (Remote Sensing)</td>
<td>URST 313 (Sustainable Urbanism)</td>
</tr>
<tr>
<td>GEOL 339 (Seafloor Research)</td>
<td>GEOL 469 (Advanced GIS)</td>
<td>ECON 303 (Economics of Transportation and Geography)</td>
</tr>
<tr>
<td>GEOL 449 (Geographical Information Systems)</td>
<td>ARCH 303 (Paleolithic Archaeology)</td>
<td>REAL 376 (Real Estate Market Analysis)</td>
</tr>
<tr>
<td>GEOL 442 (Remote Sensing)</td>
<td>BIOL 349 (Zoogeography)</td>
<td>URST 310 (Urban Planning)</td>
</tr>
</tbody>
</table>

Contact us for more information: callahant@cofc.edu
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Feb. 2023

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**Geoinformatics Minor**

**Required Courses:**

- GEOL 103 Environmental Geology (3)
- GEOL 103L Environmental Geology Laboratory (1)
- OR GEOL 155 Honors Geology (3) AND HONS 155L Honors Geology Laboratory (1)
- DATA 210 Dataset Organization and Management (3)*
  *now DATA 101 (pending approval for Fall 2023)
- CSCI 220 Computer Programming I (3)
- CSCI 220L Computer Programming I Laboratory (1)
- GEOL 402 Geospatial Sciences (4)

**Complete 6 or more Credit Hours of:**

(a maximum of 3 credit hours from CLAS 421 can count toward this minor):

- GEOL 239 Introduction to Seafloor Mapping (2)
- GEOL 257 Marine Geology (4)
- GEOL 314 Introduction to Remote Sensing (4)
- GEOL 339 Seafloor Research (3)
- GEOL 442 Geological Application of Remote Sensing (4)
- GEOL 449 Geographical Information Systems (4)
- GEOL 469 Advanced GIS – Environmental and Hazards Geospatial Modeling (4)
- BIOL 340 Zoogeography (3)
- GEOG 101/POLI 104 World Regional Geography (3)
- GEOG 219 Reading the Lowcountry Landscape (3)
- HPCP 275: History of Land Design (3)
- POLI 310: Applications of Geographic Information Systems (GIS) (3)
- POLI 397: Environmental Geography (3)
- ANTH 303: Paleolithic Archaeology (3)
- CLAS 421: Field Methods in Classical Archaeology (3-6)
- ECON 303: Economics of Transportation and Geography (3)
- REAL 376: Real Estate Market Analysis (3)
- URST 310: Urban Planning (3)
- URST 313: Sustainable Urbanism (3)
- URST 320: Town and Country Planning (3)
**Program of Study Guidelines**

Feb. 2023

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**Geoinformatics Minor**

<table>
<thead>
<tr>
<th>STEP 1</th>
<th>STEP 2</th>
<th>STEP 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 103 and 103L (Environmental Geology)</td>
<td>CSCI 220 and 220L (Computer Programming I)</td>
<td>GEOL 402 (Geospatial Science)**</td>
</tr>
<tr>
<td>MATH 111 (Pre-Calculus Mathematics)*</td>
<td>DATA 210 (Dataset Organization and Management)***</td>
<td>Elective</td>
</tr>
</tbody>
</table>

*or other CSCI 220 prerequisite

**students must have sophomore or higher status to enroll in this course

***now DATA 101 (pending approval for Fall 2023)

Contact the [Geology & Environmental Geosciences](#) department for questions